

## Updates and advancements of the Use Case #2 – Tanker based water distribution network in Bengaluru



In Bengaluru, water distribution network through pipeline is developing, however as of now water tanker is one of the key components in supplying water to citizens. Due to the rapid expansion of the city, the availability of water in the pipe network is limited and not sufficient. Therefore, water is bought from tankers.

The main challenge here is the poor quality of the water that is distributed through water tanker. Indeed, the water in the tankers is not monitored, therefore, it leads to health issues.

To tackle this issue, the LOTUS team wants to create a mobile app where the customer can have all the information about water quality and accordingly use the water either for drinking, washing, etc. The idea here is to allow the consumer to access a reliable

database and to know exactly the composition of the bought water.

To achieve that, an electro chlorinator and sensor using the LOTUS software will be placed in the tanks and will automatically monitor and disinfect the water if needed. Ultimately by the time it reaches the customer's home, the water will be treated, and can be used for drinkable purpose.

As part of the LOTUS project, the LOTUS solutions will be deployed in Bengaluru city in collaboration with the industry partner, a company called JGRIVE, who is willing to take over these solutions after the project ends. Final implementation of the solutions are expected in the last quarter of 2023.

STAY TUNED!



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